

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P412704

Luminaire Tested: **22PD-25-PP3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-25-PP3-L830
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

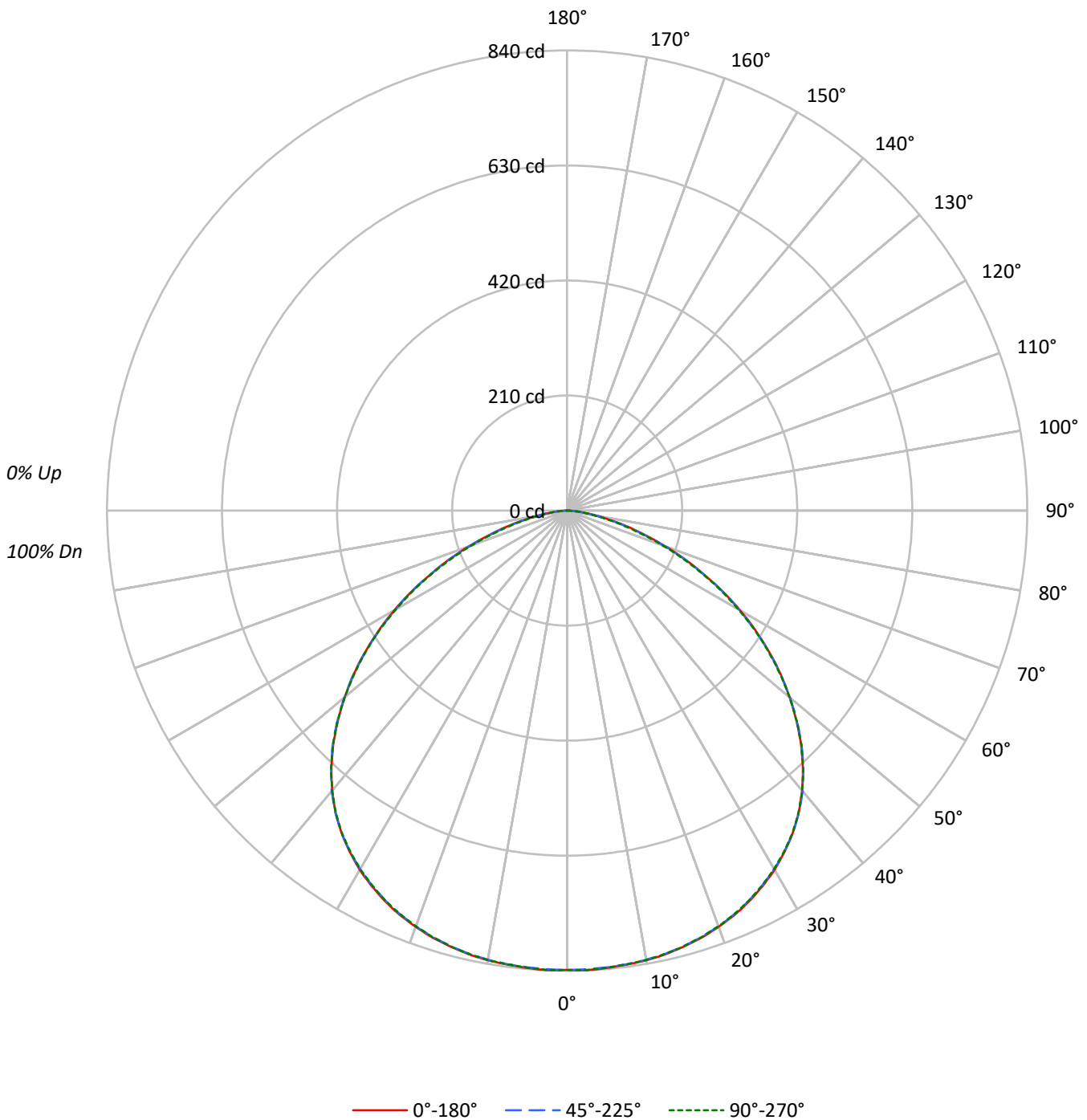
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2406.0 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2257	2257	2257
5°	2264	2261	2262
10°	2278	2275	2276
15°	2296	2293	2293
20°	2316	2313	2312
25°	2336	2332	2332
30°	2353	2348	2347
35°	2359	2359	2357
40°	2344	2349	2344
45°	2297	2304	2300
50°	2220	2224	2218
55°	2114	2108	2105
60°	1962	1957	1942
65°	1752	1751	1731
70°	1498	1489	1456
75°	1194	1158	1124
80°	851	834	790
85°	553	553	537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	3.3
10°-20°	232.6	9.7
20°-30°	362.2	15.1
30°-40°	448.3	18.6
40°-50°	464.9	19.3
50°-60°	400.7	16.7
60°-70°	272.4	11.3
70°-80°	121.9	5.1
80°-90°	23.2	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	674.6	28.0
0°-40°	1122.9	46.7
0°-60°	1988.5	82.6
0°-90°	2406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2406.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	839	839	839	839	839	
5°	838	836	837	837	838	80
15°	824	823	823	823	823	233
25°	787	786	785	785	785	363
35°	718	717	718	717	717	449
45°	604	603	605	604	604	465
55°	450	449	449	449	449	402
65°	275	278	275	274	272	273
75°	115	115	111	111	108	124
85°	18	18	18	17	17	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	838.6	838.6	838.6	838.6	838.6
2.5°	839.7	838.0	838.0	838.3	839.2
5°	838.0	836.4	836.9	836.6	837.5
7.5°	835.8	834.4	835.2	834.7	835.2
10°	833.6	832.2	832.4	832.2	833.0
12.5°	829.6	828.0	828.5	828.5	828.8
15°	824.0	822.6	823.2	822.6	823.2
17.5°	817.3	815.6	815.9	815.6	816.2
20°	808.6	807.5	807.8	807.2	807.5
22.5°	798.8	797.4	797.7	797.2	797.2
25°	786.8	785.7	785.4	785.1	785.4
27.5°	772.8	771.4	771.4	771.1	771.1
30°	757.1	755.7	755.7	755.4	755.4
32.5°	738.6	738.1	738.4	737.8	737.5
35°	718.2	717.4	718.2	717.1	717.4
37.5°	694.4	693.3	695.0	693.8	694.1
40°	667.2	666.7	668.6	667.8	667.2
42.5°	637.0	637.0	637.8	638.1	637.6
45°	603.7	603.1	605.4	604.0	604.5
47.5°	567.8	567.0	568.7	568.4	568.1
50°	530.3	529.8	531.2	529.8	529.8
52.5°	491.4	491.1	491.4	490.0	489.7
55°	450.5	448.8	449.4	448.6	448.6
57.5°	408.0	406.0	406.3	406.0	406.3
60°	364.6	364.0	363.7	362.3	360.9
62.5°	320.0	320.6	320.3	318.4	317.0
65°	275.2	277.5	275.0	274.1	271.9
67.5°	233.0	233.8	232.1	230.2	227.6
70°	190.4	192.1	189.3	187.3	185.1
72.5°	149.8	150.9	148.4	147.3	144.5
75°	114.8	115.1	111.4	110.9	108.1
77.5°	81.8	82.9	80.1	80.1	77.3
80°	54.9	56.8	53.8	52.9	51.0
82.5°	34.4	34.7	33.9	33.0	32.2
85°	17.9	18.5	17.9	17.4	17.4
87.5°	6.7	7.0	6.7	6.4	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)